

CLAIMS

1. A patient care equipment support system comprising
a vertically disposed support structure,
5 a first arm mounted to the support structure for pivotable movement in
a first horizontal plane, the first arm carrying a first patient care equipment column,
and
a second arm mounted to the support structure for pivotable movement
in a second horizontal plane, the second arm carrying a second patient care equipment
10 column.
- 10 2. The system of claim 1, wherein the first arm is telescoping and
comprises a first portion having a mount end, a distal end extending away from the
mount end, and a second portion coupled to the distal end of the first portion and
configured to telescope relative to the first portion.
- 15 3. The system of claim 2, wherein the second portion of the first
arm is not pivotable relative to the first portion.
4. The system of claim 1, wherein the first arm extends in a first
radial direction in the first plane and the second arm extends in a second radial
direction in the second plane.
- 20 5. The system of claim 4, wherein the first and second arms can
be moved such that the first arm extends in the second radial direction in the first
plane and the second arm extends in the first radial direction in the second plane.
- 25 6. The system of claim 5, wherein one of the first and second
arms can be telescopically extended to pass around the other of the first and second
arms.
7. The system of claim 1, wherein at least one of the first and
second arms is constructed of tubular metal and is configured to carry a plurality of
service conduits therein.
- 30 8. The system of claim 7, wherein the service conduits supply at
least one service selected from the group comprising: medical air, oxygen, vacuum,
nitrogen, nitrous oxide, electronic data connectivity, and electricity.

9. The system of claim 1, wherein at least one of the first and second columns carries a gas port.

10. The system of claim 9, wherein the gas port comprises a nozzle extending from the column, and a flow meter mounted inside column.

5 11. The system of claim 1, wherein the first and second columns extend downwardly from the distal ends, respectively, of the first and second arms.

12. The system of claim 11, wherein at least one of the first and second equipment columns is detachable from its respective first or second arm.

10 13. The system of claim 1, further comprising a console having a space configured to receive the first and second arms when the first and second arms are in a storage position.

14. The system of claim 13, wherein the console has a first cabinet on one side of the support structure and a second cabinet on the other side of the support structure.

15 15. The system of claim 14, wherein each of the first and second arms can be stored in either of the first and second cabinets.

16. The system of claim 1, further comprising a third arm mounted on the support structure for pivotable movement in a third horizontal plane, the third arm carrying a third column or patient care equipment.

20 17. The system of claim 16, wherein the first arm comprises a recess configured to receive a portion of the third arm when the third arm is positioned adjacent the first arm.

25 18. The system of claim 16, wherein the second arm comprises a recess configured to receive a portion of the third arm when the third arm is positioned adjacent the second arm.

19. The system of claim 16, wherein the third arm comprises two support members in spaced apart relation to each other.

20. The system of claim 1, wherein the first and second arms pivot about a common vertical axis.

30 21. The system of claim 1, wherein the first arm pivots about a first axis and the second arm pivots about a second axis that is parallel to the first axis.

22. The system of claim 21, wherein the first arm is configured to extend toward a first patient support and the second arm is configured to extend toward a second patient support.

23. The system of claim 21, further comprising a third pivotable arm and a fourth pivotable arm, the third arm being pivotable about an axis coaxially aligned with a pivot axis of the first arm and the fourth arm being abut an axis coaxially aligned with a pivot axis of the second arm.

24. The system of claim 21, wherein the first arm is configured to extend toward one side of a patient support and the second arm is configured to 10 extend toward the other side of the patient support.

25. The system of claim 24 wherein the first and second arms are telescoping.

26. The system of claim 1, further comprising a patient lift coupled to at least one of the first and second arms.

27. The system of claim 26, wherein the patient lift is coupled to a 15 distal end of the arm.

28. The system of claim 26, wherein the associated column is detachable from the arm and the patient lift is attachable in place of the column.

29. The system of claim 26 wherein the patient lift comprises a 20 motorized lift and a sling.

30. The system of claim 29, wherein the motorized lift is configured to move the sling vertically relative to the arm.

31. A patient care equipment support system comprising 25 a vertically disposed support structure,
a first arm mounted to pivot horizontally from the support structure,
the first arm having a distal end,

a patient care equipment column coupled to the distal end of the first arm, and

30 a console configured to house at least a portion of the support structure.

32. The system of claim 31, wherein the console comprises a cabinet for housing the column.

33. The system of claim 31, wherein the console comprises a contoured panel configured to receive a head end of a patient support.

34. The system of claim 33, wherein the contoured panel has a substantially concave cross-section.

5 35. The system of claim 33, further comprising a service port mounted on the contoured panel, the service port providing at least one service selected from the group comprising: medical air, oxygen, vacuum, nitrogen, nitrous oxide, electronic data connectivity, and electricity.

10 36. The system of claim 33, further comprising a light mounted on the contoured panel.

37. The system of claim 33, further comprising an air filtration system housed within the contoured panel.

15 38. The system of claim 31, wherein the support structure comprises at least two vertically extending support members having an arm mount portion disposed therebetween.

39. The system of claim 38, wherein the arm mount portion comprises an upper platform and a lower platform and the first arm is pivotably mounted therebetween.

20 40. The system of claim 31, wherein the first arm is telescoping such that its distal end and the column moves radially relative to the support structure.

41. The system of claim 31, further comprising a patient monitor coupled to the column.

42. The system of claim 41, wherein the patient monitor is configured to report a status of the patient to a caregiver.

25 43. The system of claim 41, wherein the patient monitor is configured to transmit television programming to the patient.

44. The system of claim 41, wherein the patient monitor is configured to transmit educational programming to the patient.

30 45. The system of claim 31, further comprising a light mounted on the column.

46. The system of claim 31, further comprising a patient transfer device to be mounted on the first arm.

47. The system of claim 31, wherein the column comprises an equipment support.

48. The system of claim 47, wherein the equipment support is configured to be detachable and mountable on an equipment support receiver.

5 49. The system of claim 48, wherein the equipment support receiver is mounted inside the console.

50. The system of claim 47, wherein the equipment support is vertically movable relative to the first arm.

10 51. A patient care equipment support system comprising
a vertically disposed support structure,
a telescoping arm mounted to the support structure for pivotable movement in a horizontal plane, the arm having a pivotable mount end and a distal end, and

15 a second arm pivotably attached to the distal end of the telescoping arm, the second arm carrying a patient care equipment column.

52. The support system of claim 51, wherein the second arm pivots about an axis that is parallel and spaced to the pivot axis of the telescoping arm.

20 53. The support system of claim 51, wherein the second arm pivots in a second horizontal plane that is parallel to the horizontal plane defined by the movement of the telescoping arm.

25 54. A patient care equipment support system comprising
a vertically disposed support structure,
an arm mounted to the support structure for pivotable movement in a horizontal plane, the arm having a pivotable mount end and a distal end,
a track provided on the arm between the pivotable mount end and the distal end, and

a patient care equipment column configured to move along the track.

30 55. A patient care equipment support system comprising
a vertically disposed support structure,
an arm mounted to the support structure for pivotable movement in a horizontal plane, the arm having a pivotable mount end and a distal end,

- a patient care equipment column mounted to the distal end of the arm,
the patient care equipment column having an interface,
a gas line routed through the arm and column,
a digital flow meter mounted in the column to measure the flow of gas
5 through the line, and
a nozzle and a display mounted on the interface of the column, the
display reporting the flow of gas through the line.
56. The support system of claim 55, further comprising controls
mounted on the interface of the column.
- 10 57. A patient care equipment support system comprising
a vertically disposed support structure,
an arm mounted to the support structure for pivotable movement in a
horizontal plane, the arm having a pivotable mount end and a distal end,
a patient care equipment column mounted to the distal end of the arm,
15 a console surrounding at least a portion of the support structure,
a filtration system mounted in the console.
58. The support system of claim 57, wherein the filtration system is
a HEPA filtration system.
59. The support system of claim 57, wherein the filtration system
20 has an air inlet near the bottom of the console and an air outlet near the top of the
console.
60. A patient care room configured to provide patient care to a
plurality of patients, comprising
a vertically disposed support structure,
25 a first arm mounted to the support structure for pivotable movement in
a horizontal plane, the first arm having a pivotable mount end and a distal end,
a second arm mounted to the support structure for pivotable movement
in a horizontal plane, the second arm having a pivotable mount end and a distal end,
a first patient care equipment column mounted to the distal end of the
30 first arm, and
a second patient care equipment column mounted to the distal end of
the second arm,

wherein the first patient care equipment column is configured to support a first patient and the second patient care equipment column is configured to support either the first patient or a second patient, or both.

61. The room of claim 60, wherein one of the first and second arms
5 is telescoping.

62. A patient care equipment support system comprising
a support structure,
a telescoping arm mounted to the support structure for pivotable
movement in a horizontal plane,
10 a patient care equipment column supported by the arm,
an electrical conduit disposed in the arm to provide electricity to the
patient care equipment column, and
a first flexible carrier disposed in the arm to carry the electrical
conduit.

15 63. The support system of claim 62, further comprising a gas
conduit disposed in the arm to provide gas to the patient care equipment column.

64. The support system of claim 63, further comprising a second
flexible carrier disposed in the arm to carry the gas conduit.

65. The support system of claim 64, wherein the first and second
20 flexible carriers move in tandem when the telescoping arm is moved either inwardly
or outwardly.

66. The support system of claim 64, wherein the second flexible
carrier is radially spaced apart from the first flexible carrier.